

☒ First Class Mail or ☐ Express Mail Certificate \_\_\_\_\_

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of: MUROTAKE, David K.

Group Art Unit: 2131

Serial No. 10/618,950

Examiner:

Filed: 07/14/2003

Atty. Dkt. No: SCA21-US

For: SELF-BOOTING SOFTWARE DEFINED RADIO MODULE

To: Mail Stop IDS  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Fm:

24222

CERTIFICATE OF MAILING 37 CFR 1.8: I certify that this correspondence is being deposited on the below date with the U.S. Postal Service with sufficient postage as FIRST CLASS MAIL addressed to: Mail Stop IDS, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450

Date: 01/22/2004

*Debra A. Stengel*  
[X] Debra A. Stengel

Commissioner:

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

Transmitted herewith is the Applicant's Information Disclosure Statement, 2 sheets form 1449, and 15 references and other information. Pursuant to 37 CFR 1.98 (a)(2)(i) applicant has not transmitted herewith copies of cited U.S. Patents and U.S. patent application publications as the above application was filed after June 30, 2003. Please enter in the above application and communicate in all related matters with the undersigned.

All necessary fees are intended to be included, however the Office is hereby authorized to charge any deficiency or credit any overpayment in the fees to deposit account #500323.

Respectfully submitted,

Vernon C. Maine, Reg. No. 37,389

Scott J. Asmus, Reg. No. 42,269

Neil F. Maloney, Reg. No. 42,833

Andrew P. Cernota, Reg. No. 52,711

Attorneys/Agents for Applicant

Cus. No. 24222

Maine & Asmus

PO Box 3445

Nashua, NH 03061-3445

Tel. No. (603) 886-6100, Fax. No. (603) 886-4796

Info@maineandasmus.com



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: MUROTAKE, David K.

Group Art Unit: 2131

Serial No. 10/618,950

Examiner:

Filed: 07/14/2003

Atty. Dkt. No: SCA21-US

For: SELF-BOOTING SOFTWARE DEFINED RADIO MODULE

To: Mail Stop IDS  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Fm:

24222

CERTIFICATE OF MAILING 37 CFR 1.8: I certify that this correspondence is being deposited on the below date with the U.S. Postal Service with sufficient postage as FIRST CLASS MAIL addressed to: Mail Stop IDS, Commissioner of Patents, PO Box 1450, Alexandria, VA 22313-1450

Date: 01/22/2004

Debra A. Stengel  
[X] Debra A. Stengel

Commissioner:

INFORMATION DISCLOSURE STATEMENT

Applicants submit this statement and the attached 2 sheet(s) of form PTO-1449 and 15 references and other information in accordance to the duty of disclosure under 37 C.F.R. §§1.56, 1.97, and 1.98, and requests consideration hereof. Pursuant to 37 CFR 1.98 (a)(2)(i) applicant has not transmitted herewith copies of cited U.S. Patents and U.S. patent application publications as the above application was filed after June 30, 2003.

Compliance with 37 C.F.R. §1.97: This Information Disclosure Statement is filed within three (3) months of the filing date of a National Application or before the mailing date of a first office action on the merits. No fee or certification is required.

Information Cited: The Applicants hereby make of record in the above-identified application, the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the reference. As all the references listed on attached Form PTO-1449 are in English, no commentary is required.

Remarks: A copy of each reference, together with a listing on Form PTO-1449(modified), is submitted herewith. Applicants respectfully request that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

2. The enclosed form PTO-1449 (modified) be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application; and

3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicants make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

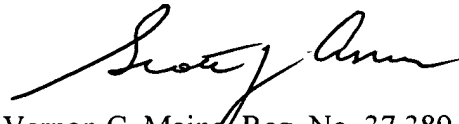
By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined in 37 C.F.R. §102.

Notwithstanding any statement by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,



Vernon C. Maine, Reg. No. 37,389  
Scott J. Asmus, Reg. No. 42,269  
Neil F. Maloney, Reg. No. 42,833  
Andrew P. Cernota, Reg. No. 52,711  
Attorneys/Agents for Applicant

Cus. No. 24222  
Maine & Asmus  
PO Box 3445  
Nashua, NH 03061-3445  
Tel. No. (603) 886-6100, Fax. No. (603) 886-4796  
Info@maineandasmus.com

<b>Form PTO-1449</b>				<i>Complete if Known</i>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number	10/618,950
				Filing Date	07/14/2003
				First Named Inventor	MUROTAKI, David K.
				Group Art Unit	2131
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	SCA21-US

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code	Kind			
		2001/0053970	A1	Ford et al	12-20-2001	
		2002/0082044	A1	Davenport	06-27-2002	
		2003/0050055	A1	Ting et al	03-13-2003	
		5,530,814		Wong et al	06-25-1996	
		6,052,600		Fette et al	04-18-2000	
		6,091,715		Vucetic et al	07-18-2000	
		6,181,734	B1	Palermo	01-30-2001	
		6,366,622	B1	Brown et al	04-02-2002	
		6,504,867	B1	Efstathiou	01-07-2003	
		6,526,110	B1	Bao et al	02-25-2003	

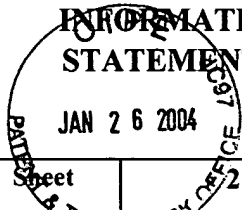
FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office Code	Number	Kind			
			WO 01/90891	A1	Roke Manor Research Limited	11-29-2001	
			WO 02/05444	A1	Sony Corp.	01-17-2002	
			WO 03/028228	A2	Koninklijke	04-03-2003	

OTHER PRIOR REFERENCES - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	(Including Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc...), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	T
		MUROTAKI et al, Real-Time Implementation of a Reconfigurable IMT-2000 Base Station Channel Modem, Software and DSP in Radio, IEEE Communications Magazine, February 2000, pages 148-152	

\* In accordance with 37 CFR 1.98(d) a copy of this reference is not provided as it was previously submitted to, or cited by, the Office in prior Application No. \_\_\_\_\_ filed \_\_\_\_\_, which is being relied on for an earlier effective filing date under 35 U.S.C. § 120.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Form PTO-1449				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> 				Application Number	10/618,950
				Filing Date	07/14/2003
				First Named Inventor	MUROTAKI, David K.
				Group Art Unit	2131
				Examiner Name	
Sheet 2		of	2	Attorney Docket Number	SCA21-US

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document Number Code	Kind	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document Office Code	Number	Kind	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

OTHER PRIOR REFERENCES - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	(Including Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc...), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	T
		BLUST, Stephen and MUROTAKI, David, Software-Defined Radio Moves into Base-Station Designs, Wireless Systems Design, November, 1999, pages 31-40	
		BERNIER, Steve and LATOUR, Capt Hugues, Software Communications Architecture Reference Implementation (SCARI) Project, Software Defined Radio Forum, January 29, 2002, pages 1-43	
		XILINX, Virtex-II Pro Platform FPGAs: Introduction and Overview, DSO83-1 (v2.0) June 13, 2002, pages 1-7	
		FEWER, Colin, Cross Bar Switch Implemented in FPGAs, Xilinx WP166 (v1.0), September 9, 2002, pages 1-18	
		SHAH, Alok, An Introduction to Software Radio, Vanu, Inc., 2002, pages 1-5	
		SCHOEBERL, Martin, Using JOP at an Early Design Stage in a Real World Application, JOP Design, pages 1-14	
		KOHNO et al, Universal Platform for Software Defined Radio, pages 1-4	
		MUROTAKI, David, SDR Base Station Models – Multiprocessing, SDR Forum Document Number SDRF-00-T-0062-V0.0, November 16, 2000, pages 1-16	
		MUROTAKI, David, JTRS SCA Platform Hardware Scalability, SDR Forum Document Number SDRF-01, November 13, 2001, pages 1-16	
		SDR FORUM, SDR Primer, pages 1-6	
		XILINX, Software Defined Radio & 4G Development, pages 1-67	

\* In accordance with 37 CFR 1.98(d) a copy of this reference is not provided as it was previously submitted to, or cited by, the Office in prior Application No. \_\_\_\_\_ filed \_\_\_\_\_, which is being relied on for an earlier effective filing date under 35 U.S.C. § 120.

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.